

Multichannel information processing in the optical echo-processors on the basis of Van-Fleck paramagnet crystals

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Abstract

The analysis of various modes of multichannel information recording and readout in conditions of a stimulated (accumulated and long-living) photon echo in the crystals doped with rare earth ions which are known as Van-Fleck paramagnets has been performed in order to utilize them in the operation of low-temperature optical echo-processors. © Allerton Press, Inc., 2012.

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